

تفاصيل برنامج الدكتوراه			
		Program ID	رمز البرنامج
	Degree of Doctor of Philosophy in Chemistry / Biochemistry	Program name	اسم البرنامج
	College of Science	College Name	الكلية
	Chemistry	Department Name	القسم
	nosul.edu.iq/science/wp-content/uploads/sites/12/2026/01/QS_PhD_Biochemistry.pdf	Program URL	الموقع الالكتروني للبرنامج
	Degree of philosophy in Chemistry	Degree Name	اسم الدرجة
	Post graduate	Study Level	مستوى الدراسة
	Taught and research based ٣ academic years, divided into ٢ semesters in the first year and two year of scientific research.	Course Intensity	نوع الكورس
	Full Time	Study Mode	طبيعة الدراسة
	The department does not offer an MBA program	MBA Program Type	
			تفاصيل البرنامج
	Chemistry	Broad Subject Area	الموضوع العام
	The First course for Ph.D. Students of Biochemistry ١. Oxidants and Antioxidants ٢. Molecular biology ٣. Lipid metabolism ٤. Advanced Enzymes ٥. Advanced Hormones The second course for Ph.D. Students of Biochemistry ١. Biotechnology ٢. Nutrition Diseases ٣. Vitamins ٤. Immunochemical Techniques		Main Subjects:

	٥. Research Methodology ٦. English ٧. Detoxification Pathways ٨. Pathology ٩. Physiology of Hormones		
		Custom Subject	الموضوع اذا لم يكن مذكور
	This specialization focuses on applying principles and techniques of Biochemistry to train professionals who support solving chemical problem	Specialization	الاختصاص
	The Chemistry Department at the University of Mosul is one of the leading scientific departments in Iraq, offering postgraduate programs in various fields of chemistry. Below is a general description of the department based on available information (note that details may have changed after ٢٠٠٣ due to political and security challenges, including the ISIS occupation and subsequent rebuilding efforts). Overview • Establishment: The Chemistry Department was founded as part of the College of Science at the University of Mosul, which was established in ١٩٦٣. • Location: Mosul, Nineveh Governorate, Iraq. • Language of Instruction: Primarily Arabic, though some advanced courses may use English. Academic Programs . Postgraduate Programs • Doctor of Philosophy (Ph.D.) in Chemistry:	Program Description	وصف البرنامج

	○ Focuses on advanced research in a specialized area. ○ Requires dissertation and publications in peer-reviewed journals. Research & Facilities • Laboratories: Equipped for spectroscopy (UV-Vis, IR, NMR), chromatography (HPLC, GC), electrochemistry, and materials science. • Research Areas: ○ Nanotechnology & Materials Science ○ Environmental Chemistry & Pollution Control ○ Medicinal Chemistry & Drug Design ○ Petrochemicals & Industrial Applications • Collaborations: Partnerships with local industries and international universities (before the ISIS crisis, the department had ties with institutions in Europe and the Arab world). Faculty & Staff • The department has professors, assistant professors, and lecturers with expertise in various chemical disciplines. • Many faculty members hold PhDs from international universities. Challenges & Rebuilding Efforts • The department suffered significant damage during the ISIS occupation (۲۰۱۴–۲۰۱۷) and the subsequent		
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	liberation battles. • Since ٢٠١٨, efforts have been made to reconstruct laboratories, restore equipment, and resume academic activities with support from the Iraqi government and international organizations. Career Opportunities Graduates work in: • Industrial sectors (oil, pharmaceuticals, food). • Government labs (environmental monitoring, forensic analysis). • Academia & Research. • Quality control & safety management.		
	- www.uomosul.edu.iq	University Official Website	موقع الجامعة الالكتروني
	- scien@uomosul.edu.iq	Get more details (email) :	بريد الالكتروني للاستفسار
	- What is the start date of the semester? - What is the end date of the semester? - What is the length of the semester? - How many credit hours/units is the semester? - Is there a tuition fee for this program?	Question ١/٥	خمسة اسئلة عن البرنامج
	١. Semester Start and End Dates • First Semester (Fall): ○ Start: Early October ○ End: Late January (exams in February) • Second Semester (Spring):	Answer ١/٥	خمسة اجوبة عن البرنامج

	○ Start: Early March ○ End: Late June (exams in July) • Two years scientific research <i>(Dates may shift slightly based on the Islamic lunar calendar or administrative decisions.)</i> ٢. Length of Semester • Regular Semesters (Fall & Spring): ~١٥–١٦ weeks of instruction + ٢ weeks for exams. ٣. Credit Hours/Units per Semester • Postgraduate (M.Sc./Ph.D.): ○ Ph.D ○ hours ٢٢ credit ○ thesis. ٣٨ credit ○ total ٦٠ credit		
	٦٠ credit (units)/ ○ ٣ years, divided into - hours ٢٢ credit ○ thesis. ٣٨ credit ○ total ٦٠ credit	Duration Unit:	الوحدات
	- Full-time, on-campus.	Duration Type	نوع البرنامج
	September	Start Month-	بداية البرنامج (شهر)
	October	Application Deadline	موعد انتهاء التقديم للبرنامج
	IQD	Fees Currency:	العملة
	From Free of charge to ١٣,٥٠٠,٠٠٠ IQD	Price Information	معلومات الاجور

Entry Requirements متطلبات الدخول للكورس			
	Comprehensive Exam	Exam Type:	نوع الامتحان
	١. Baccalaureate (Scientific branch) ٢. . Bachelor of Science (B.Sc.) ٣. MSc in chemistry.	Entry Requirements (Other):	متطلبات اخرى
	There are no tuition fees	Min Total Tuition Fees (Domestic) :	الحد الأدنى لإجمالي الرسوم الدراسية (المحلية):
	١٣,٥٠٠,٠٠٠ IQD	Max Total Tuition Fees (Domestic) :	الحد الأقصى لإجمالي الرسوم الدراسية (المحلية):
	There are no tuition fees	Min Total Tuition Fees (Domestic, In State) :	الحد الأدنى لإجمالي الرسوم الدراسية (المحلية، داخل الولاية):
	١٣,٥٠٠,٠٠٠ IQD	Max Total Tuition Fees (Domestic, In State) :	الحد الأقصى لإجمالي الرسوم الدراسية (المحلية، داخل الولاية):
	There are no tuition fees	Min Total Tuition Fees (Domestic, Out of State)	الحد الأدنى لإجمالي الرسوم الدراسية (المحلية، خارج الولاية)
	١٣,٥٠٠,٠٠٠ IQD	Max Total Tuition Fees (Domestic, Out of State) :	الحد الأقصى لإجمالي الرسوم الدراسية (المحلية، خارج الولاية):
	There are no tuition fees	Min Total Tuition Fees (International) :	الحد الأدنى لإجمالي الرسوم الدراسية (الدولي):

	There are no tuition fees	Max Total Tuition Fees (International) :	الحد الأقصى لإجمالي الرسوم الدراسية (الدولي):
	IQD	Tuition Fee - Currency :	الرسوم الدراسية - العملة :
	References or letters are required for Iraqi students. For international applicants letters are required as part of the admission process	Are candidates required to submit references or letter(s) of recommendation for acceptance?	هل يتعين على المرشحين تقديم مراجع أو خطابات توصية للقبول؟
	Candidates are required to submit an essay for acceptance.	Are candidates required to submit an essay(s) for acceptance?	هل يتعين على المرشحين تقديم مقال (مقالات) للقبول (بروبوزال)؟
	Professional experience is not required	Minimum Professional Experience (in years) :	الحد الأدنى من الخبرة المهنية (بالسنوات):
الدعم المالي Financial Aid			
	Currently, there are no school-sponsored scholarships or financial aid programs, but such opportunities may be offered in the future.	Is there a school sponsored scholarship or financial aid?	هل هناك منحة دراسية أو مساعدات مالية ترعاها الكلية أو القسم؟
	There is currently no designated annual budget.	Annual school budget for all scholarships :	ميزانية الكلية أو القسم السنوية لجميع : المنح الدراسية
	None	Currency :	العملة
	The University of Mosul offers postgraduate scholarships for international students through Iraq's "Study in Iraq" initiative, supporting High Diplomas, Master's, and Ph.D. programs. More info: https://uomosul.edu.iq/en/scholar	Scholarship Information :	معلومات المنحة

	ships/		
Pprogram Statistics احصائيات البرنامج			
	٢٥-٣٠	Students per Class :	الطلاب لكل فصل :
	٢٤-٤٥ years	Average age (in years) :	معدل عمر الطلبة
	There is no requirement for managerial level work experience	Average years of work experience at managerial level :	متوسط سنوات الخبرة في العمل على المستوى الإداري:
	Currently, the department has one international students	Percentage of international students :	نسبة الطلبة الاجانب
	%٦٥	Percentage of women:	نسبة الاناث
	٧٥-٨٥	Average GMAT score for your cohort:	معدل درجات التخرج
	٨٠٠٠٠٠ IQD	Average salary after graduation :	متوسط الراتب بعد التخرج :
	٦٠%	Percent employment after graduation :	نسبة التوظيف بعد التخرج:
	The program has obtained institutional accreditation and is currently working towards national accreditation	Program accreditations:	اعتمادات البرنامج (الاعتمادية)
	There is no minimum work experience requirement	Average work experience (in years) :	متوسط الخبرة العملية (بالسنوات) :
	At the moment, the department does not have any international students enrolled.	Number of nationalities in current cohort:	عدد الجنسيات في وجبة التخرج الحالي :
Campus Details تفاصيل الكلية او القسم			
	Department of Chemistry	Institution	اسم الكلية او القسم

		Profile Name Display :	
	١٩٦٣	Foundation Year :	سنة التأسيس
		Current Logo :	شعار الكلية او القسم